10-30-06 Express Mail Mailing Label No.EV 689994871 US Application Serial Number 10/697,174 Filing Date October 30, 2003 First Named Inventor Levene et al. Group Art Unit 2628 NSMITTAL Amin, Jwalant B. **Examiner Name FORM** Attorney Docket No. SNS-016 Not applicable Patent No. Not applicable Issue Date ENCLOSURES (check all that apply) Notice of Appeal to Board Copy of Notice to File Missing Fee Transmittal Form of Patent Appeals and Interferences Parts of Application Check Attached Formal Drawing(s) Appeal Brief (in triplicate) Copy of Fee Transmittal Form Request For Continued Status Inquiry Amendment/Response Examination (RCE) Supplemental Preliminary Transmittal  $\boxtimes$ Return Receipt Postcard After Final Affidavits/declaration(s)  $\Box$ Power of Attorney Certificate of First Class Mailing (Revocation of Prior Powers) Letter to Official under 37 C.F.R. 1.8 Draftsperson including Drawings Certificate of Facsimile Terminal Disclaimer [Total Sheets \_\_\_\_] Transmission under 37 C.F.R. 1.8 Additional Enclosure(s) Executed Declaration and Power Petition for Extension of of Attorney for Utility or Design (please identify below) Time Patent Application  $\boxtimes$ Information Disclosure Small Entity Statement Statement Form PTO-1449 Copies of IDS CD(s) for large table or computer Citations (B1 – B19 program and C1 - C61) Amendment After Allowance Certified Copy of Priority Document(s) Request for Certificate of Correction Sequence Listing submission Paper Copy/CD ☐ Certificate of Correction (in Computer Readable Copy duplicate) ☐ Statement verifying identity of above SIGNATURE BLOCK CORRESPONDENCE ADDRESS Respectfully submitted,

Direct all correspondence to: Patent Administrator

Goodwin Procter LLP Exchange Place

Boston, MA 02109 Tel. No.: (617) 570-1000

Fax No.: (617) 523-1231 Customer No. 051414

Date: October 27, 2006 Reg. No. 53,002

Tel. No.: (617) 570-1013

Fax No.: (617) 523-1231

William R. Haulbrook, Ph.D. Atty/Agent for Applicant(s) Goodwin Procter LLP

Exchange Place Boston, MA 02109

VER 12/00 1740909



## Express Mail Mailing Label No. EV 689994871 US

PATENT Attorney Docket No.SNS-016 (081028/ 158566)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

Levene et al.

CONFIRMATION NO.:

8152

**SERIAL NO.:** 

10/697,174

**GROUP NO.:** 

2628

FILING DATE:

October 30, 2003

**EXAMINER:** 

Amin, Jwalant B.

TITLE:

APPARATUS AND METHODS FOR STENCILING AN IMAGE

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with 37 C.F.R. 1.98(a)(2), only copies of the foreign patent documents and non-patent publications are enclosed.

Applicants submit that no fees are required for this Information Disclosure Statement to be entered and considered. However, please consider this a conditional authorization to charge any fees necessary for entry and consideration of this paper to Deposit Account No. 07-1700.

#### **REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

 $\boxtimes$ 

(1) within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or

Information Disclosure Statement Serial No. 10/697,174 Page 2 of 3

(2)	after the period defined in (1) but before the mailing date of a <b>final action</b> or a <b>notice</b> of allowance under 37 C.F.R. 1.311, and
	the requisite Statement is below, OR
	the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein, or
(3)	after the mailing date of a final action or notice of allowance but before the payment of the issue fee, AND
	the requisite Statement is below, AND
П	the requisite petition fee under 37 C.F.R. 1.17(p), namely \$180.00 is included herein.

In addition, Applicants wish to inform the Examiner of the following commonly-owned, co-pending applications:

- 1) U.S. Serial No. 09/356,289, Attorney Docket No. SNS-007, filed on 7/16/99, by Rodomista et al.
- 2) U.S. Serial No. 09/574,131, Attorney Docket No. SNS-001CN, filed on 5/18/00, by Tarr et al.
- 3) U.S. Serial No. 10/017,148, Publication No. 2002-0089500 (see A115), Attorney Docket No. SNS-009B, filed on 12/14/01, by Jennings et al.;
- 4) U.S. Serial No. 10/055,565, Attorney Docket No. MIT-051C2, filed on 10/26/01, by Zilles et al.;
- 5) U.S. Serial No. 10/650,155, Attorney Docket No. SNS-010C1, filed on 8/28/03, by Goodwin et al.;
- 6) U.S. Serial No. 10/697,174, Attorney Docket No. SNS-016, filed on 10/30/03, by Levene et al.;
- 7) U.S. Serial No. 10/697,963, Publication No. 2005-0093821 (see A118), Attorney Docket No. SNS-011, filed on 10/30/03, by Massie et al.;
- 8) U.S. Serial No. 10/733,860, Publication No. 2005-0128210 (see A119), Attorney Docket No. SNS-017, filed on 12/10/03, by Berger;
- 9) U.S. Serial No. 10/733,862, Publication No. 2005-0128211 (see A120), Attorney Docket No. SNS-013, filed on 12/10/03, by Berger et al.;
- 10) U.S. Serial No. 10/844,257, Publication No. 2005-0001831 (see A116), Attorney Docket No. SNS-006CP1B, filed on 05/12/04, by Shih et al.;
- 11) U.S. Serial No. 10/856,699, Attorney Docket No. SNS-014, filed on 5/28/04, by Berger et al.;
- 12) U.S. Serial No. 10/900,034, Publication No. 2005-0062738 (see A117), Attorney Docket No. SNS-006CP2A, filed on 07/27/04, by Handley et al.;
- 13) U.S. Serial No. 10/990,226, Attorney Docket No. MIT-075C3, filed on 11/16/04, by Massie et al.; and
- 14) U.S. Serial No. 11/053,592, Attorney Docket No. SNS-009AC1, filed on 2/28/05, by Payne.

Information Disclosure Statement Serial No. 10/697,174 Page 3 of 3

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

#### **STATEMENT**

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Date: October 27, 2006 Reg. No. 53,002

Customer No. 051414

Tel. No.: (617) 570-1013 Fax No.: (617) 523-1231

1740913

William R. Haulbrook, Ph.D.

Attorney for Applicants Goodwin Procter LLP Exchange Place

Boston, Massachusetts 02109

# Express Mail Mailing Label No. EV 689994871 US

OCT 2 7 2006

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-016

APPLICANTS:

Levene et al.

SERIAL NO.:

10/697,174

FILING DATE:

October 30, 2003

GROUP:

2628

### U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,531,868	10/06/70	Stevenson	33	174	04/18/68
	A2	3,920,972	11/18/75	Corwin et al.	235	151.1	07/16/74
	A3	3,944,798	03/16/76	Eaton	235	161.3	04/18/74
	A4	4,521,685	06/04/85	Rebman	250	229	03/01/82
	A5	4,604,016	08/05/86	Joyce	414	7	08/03/83
	A6	4,632,341	12/30/86	Repperger et al.	244	230	02/06/85
	A7	4,638,798	01/27/87	Shelden et al.	128	303B	09/10/80
· ·	A8	4,653,011	03/24/87	Iwano	364	513	03/27/85
	A9	4,654,648	03/31/87	Herrington et al.	340	710	12/17/84
	A10	4,655,673	04/07/87	Hawkes	414	730	05/10/83
	A11	4,661,032	04/28/87	Arai	414	5	12/18/85
	A12	4,670,851	06/02/87	Murakami et al.	364	518	10/22/84
	A13	4,680,519	07/14/87	Chand et al.	318	568	09/23/85
	A14	4,686,522	8/11/1987	Hernandez et al.			
	A15	4,703,443	10/27/87	Moriyasu	364	559	02/07/85
	A16	4,729,098	03/01/88	Cline et al.	364	414	06/05/85
	A17	4,769,763	09/06/88	Trieb et al.	364	559	06/16/86
-	A18	4,791,934	12/20/88	Brunnett	128	653	08/07/86
	A19	4,819,195	04/04/89	Bell et al.	364	571.1	01/20/87
	A20	4,839,838	06/13/89	LaBiche et al.	364	709.1	03/30/87
	A21	4,853,874	08/01/89	Iwamoto et al.	364	513	11/20/87
	A22	4,907,973	03/13/90	Hon	434	262	11/14/88
	A23	4,942,538	07/17/90	Yuan et al.	364	513	02/23/89
	A24	4,945,305	07/31/90	Blood	324	207.2	04/11/89
	A25	4,945,501	07/31/90	Bell et al.	364	571.1	04/12/89
-	A26	4,961,138	10/02/90	Gorniak	364	200	10/02/89

EXAMINER	DATE CONSIDERED

**FORM PTO – 1449** 

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-016

APPLICANTS:

Levene et al.

SERIAL NO.:

10/697,174

FILING DATE:

October 30, 2003

GROUP:

A27	4,973,111	11/1990	Haacke et al.	324	309	
A28	4,982,504	01/08/91	Söderberg et al.	33	502	02/17/89
A29	4,988,981	01/29/91	Zimmerman et al.	340	709	02/28/89
 A30	5,040,306	08/20/91	McMurtry et al.	33	556	02/20/89
 A31	5,053,975	10/01/91	Tsuchihashi et al.	364	513	06/08/89
A32	5,072,361	12/10/91	Davis et al.	364	167	02/01/90
A33	5,088,046	02/11/92	McMurtry	364	474	12/19/88
 A34	5,088,055	02/11/92	Oyama	364	560	02/22/90
A35	5,105,367	04/14/92	Tsuchihashi et al.	395	99	10/16/89
 A36	5,131,844	07/21/92	Marinaccio et al.	433	72	04/08/91
A37	5,185,561	02/09/93	Good et al.	318	432	07/23/91
A38	5,189,806	03/02/93	McMurtry et al.	33	503	08/17/92
A39	5,204,824	04/20/93	Fujimaki	364	474	08/23/90
 A40	5,237,647	08/17/93	Roberts, et al.	345	419	10/28/91
A41	5,255,211	10/19/93	Redmond	364	578	02/22/90
A42	5,333,257	07/26/94	Merrill, et al.	345	467	08/09/91
 A43	5,354,162	10/11/94	Burdea et al.	414	5	10/11/94
A44	5,389,865	02/14/95	Jacobus et al.	318	568.1	12/02/92
 A45	5,396,265	03/07/95	Ulrich et al.	345	158	09/17/90
 A46	5,446,834	08/29/95	Deering	345	427	12/06/94
 A47	5,459,382	10/17/95	Jacobus et al.	318	568.1	06/09/94
A48	5,482,051	01/09/96	Reddy et al.	128	733	04/06/94
 A49	5,497,452	03/05/96	Shimizu et al.	395	120	03/02/92
A50	5,506,785	04/1996	Blank et al.	700	98	
 A51	5,515,078	05/07/96	Greschler et al.	345	156	
 A52	5,555,894	09/17/96	Doyama et al.	128	782	05/02/94
A53	5,587,937	12/24/96	Massie et al.	364	578	04/25/95
 A54	5,623,642	04/22/97	Katz et al.	395	500	04/06/94
A55	5,625,576	04/29/97	Massie et al.	364	578	10/01/93

EX	A۱	AΠ	<b>NER</b>
----	----	----	------------

**FORM PTO – 1449** 

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-016

APPLICANTS:

Levene et al.

SERIAL NO.:

10/697,174

FILING DATE:

October 30, 2003

GROUP:

			GROOT.			
A56	5,629,594	05/13/97	Jacobus et al.	318	568.1	10/16/95
 A57	5,659,493	08/19/97	Kiridena, et al.	703	2	03/03/95
A58	5,666,138	09/09/97	Culver	345	161	11/22/94
 A59	5,687,304	11/1997	Kiss	345	419	
 A60	5,691,898	11/25/97	Rosenberg et al.	364	190	03/28/96
 A61	5,694,013	12/02/97	Stewart et al.	318	561	09/06/96
 A62	5,721,566	02/24/98	Rosenberg et al.	345	161	06/09/95
A63	5,724,264	03/03/98	Rosenberg et al.	364	559	08/07/95
 A64	5,731,804	03/24/98	Rosenberg	345	156	01/18/95
 A65	5,734,373	03/31/98	Rosenberg et al.	345	161	12/01/95
 A66	5,737,505	04/07/98	Shaw et al.	395	119	10/15/96
 A67	5,739,811	04/14/98	Rosenberg et al.	345	161	09/27/95
 A68	5,751,289	05/12/98	Myers	345	419	01/16/96
 A69	5,769,640	06/23/98	Jacobus et al.	434	262	08/10/95
 A70	5,774,130	06/30/98	Horikawa, et al.	345	441	08/31/95
A71	5,784,542	07/21/98	Ohm et al.	395	95	10/23/96
A72	5,790,108	08/04/98	Salcudean et al.	345	184	10/23/92
A73	5,798,752	08/25/98	Buxton et al.	345	146	02/27/95
A74	5,800,177	09/01/98	Gillio	434	262	07/11/96
A75	5,800,178	09/01/98	Gillio	434	262	07/11/96
 A76	5,800,179	09/01/98	Bailey	434	262	07/23/96
 A77	5,802,353	09/01/98	Avila et al.	395	500	06/12/96
A78	5,803,738	09/08/98	Latham	434	29	08/05/96
A79	5,805,140	09/08/98	Rosenberg et al.	345	161	11/17/95
 A80	5,821,920	10/13/98	Rosenberg et al.	345	156	03/28/97
 A81	5,825,308	10/20/98	Rosenberg	341	20	11/26/96
A82	5,828,197	10/27/98	Martin, et al.	318	567	10/25/96
 A83	5,831,408	11/03/98	Jacobus, et al.	318	568.1	05/12/97
A84	5,844,392	12/01/98	Peurach et al.	318	568.2	05/21/97

EXA	MINER
-----	-------

**FORM PTO – 1449** 

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-016

APPLICANTS:

Levene et al.

SERIAL NO.:

10/697,174

FILING DATE:

October 30, 2003

GROUP:

				GROUP:	26	28	
.,	A85	5,847,956	12/08/98	Bronfeld, et al.	700	98	09/26/96
_	A86	5,859,934	01/12/99	Green	382	296	01/14/97
	A87	5,872,438	02/16/99	Roston	318	568.11	07/01/97
	A88	5,873,106	02/16/99	Joseph	715	506	09/18/95
	A89	5,881,178	03/1999	Tsykalov et al.	382	260	
	A90	5,882,206	06/16/99	Gillio	434	262	03/29/95
	A91	5,889,670	03/30/99	Schuler et al.	364	186	01/11/96
	A92	5,898,599	04/27/99	Massie, et al.	345	161	12/23/96
	A93	5,903,456	05/11/99	Schena et al.	364	190	01/27/97
	A94	5,907,487	05/25/99	Rosenberg et al.	364	190	04/02/97
	A95	5,913,727	06/22/99	Ahdoot	463	39	06/13/97
	A96	5,956,484	09/21/99	Rosenberg et al.	395	200.3	08/01/96
	A97	5,963,212	10/05/99	Bakalash	345	424	06/11/97
	A98	5,973,678	10/26/99	Stewart et al.	345	184	08/29/97
	A99	5,988,862	11/23/99	Kacyra, et al.	703	6	04/24/96
	A100	6,040,840	03/2000	Koshiba et al.	345	441	
	A101	6,061,004	05/2000	Rosenberg	341	20	
	A102	6,084,587	07/04/00	Tarr et al.	345	419	02/08/96
	A103	6,111,577	08/29/00	Zilles, et al.	345	701	04/04/96
	A104	6,131,097	10/10/00	Peurach et al.			
	A105	6,191,796 B1	02/20/01	Tarr	345	433	01/21/98
	A106	6,211,848	04/03/01	Plesniak, et al.	345	156	02/09/99
	A107	6,219,032	04/2001	Rosenberg et al.	345	157	
	A108	6,226,003	05/01/01	Akeley	345	419	08/11/98
	A109	6,308,144	10/23/01	Bronfeld, et al.	703	2	09/26/96
	A110	6,337,678 B1	01/20/02	Fish	345	156	07/21/99
	A111	6,342,880 B2	01/20/02	Rosenberg et al.	345	161	10/06/99
	A112	6,369,834	04/09/02	Zilles, et al.	345	701 ·	06/02/99
	A113	6,405,158	06/11/02	Massie, et al.	703	6	03/12/99

				ATTORNEY DO	OCKET N	O.: SNS-016	
FORM PTO -	- 1449			APPLICANTS:	Lev	ene et al.	
INFORMATI	ON DISCLOSUR	E STATEM!	ENT	SERIAL NO.:	10/6	597,174	
				FILING DATE:	Octo	ober 30, 2003	
				GROUP:	262	•	
A114	6,417,638	07/09/02	Guy, e		318	560	07/16/99
A115	6,421,048	07/16/02	Shih, e		345	419	06/28/99
A116	6,552,722	04/22/03	Shih, e		345	19	07/06/99
A117	6,608,631	08/19/03	Milliro		345	647	05/02/00
A118	6,671,651	12/30/03	ļ	win, et al.	702	152	04/26/02
A119	6,707,458	03/2004	Leathe		345	582	
	<u> </u>				703	2	07/14/99
A120	6,792,398	09/14/04		ley, et al.		ļ	02/26/03
A121	6,831,640	12/14/04	Shih, e		345	419	
A122	6,853,965	02/08/05	<u> </u>	e, et al.	703		11/16/01
A123	6,867,770	03/15/05	Payne		345	643	12/14/01
A124	6,879,315	04/12/05	Guy, e	·	345	156	05/13/02
A125	20020089500	07/11/02		ngs, et al.	345	420	12/14/01
A126	2002/0154132	10/2002	Dume	sny et al.	345	582	
A127	2003/0048277	3/2003	Maillo	ot et al.	345	582	
A128	2003/0191554	10/09/03	Russel	ll et al.			
A129	2003/0234781	12/2003	Laidla	ıw et al.	345	419	
A130	2004/0233196	11/2004	Hertzi	mann	345	441	
A131	20050001831	01/06/05	Shih, e	et al.	345	419	05/12/04
A132	2005/0060130	03/2005	Shapi	ro et al.	703	002	
A133	20050062738	03/24/05	Hand'	ley, et al.	345	419	07/27/04
A134	20050093821	05/05/05	Massi	e, et al.	345	161	10/30/03
A135	20050128210	06/16/05	Berge	r	345	582	12/10/03
A136	20050128211	06/16/05	Berge	r, et al.	345	582	12/10/03
A137	2005/0168460	08/2005	Razdai	n et al.	345	419	
		FOREIGN	J PATE	ENT DOCUMEN	JTS		

EXAM INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	WO 95/02801	01/26/95	PCT	G01B	7/03	07/12/94	N	Y

EXAMINER	DATE CONSIDERED	

				ATTOR	NEY DO	CKET NO.: S	NS-016	
FORM PTO – 1449			APPLICANTS: Levene et al.					
INFORMATION DISCLOSURE STATEMENT			SERIAL	NO.:	10/697,17	74		
			FILING	DATE:	October 3	30, 2003		
				GROUP	) <u>:</u>	2628		
B2	WO 96/16397	05/30/96	PCT	G09G	5/08	11/22/95	N	Y
B3		07/25/96	PCT	G09G	5/00	01/17/96	N	Y
B4		12/27/96	PCT	G09G	3/02	06/07/96	N	Y
B5		02/20/97	PCT	G01C	7/00	07/29/96	N	Y
B6	· ·	04/03/97	PCT	G06F	19/00	09/25/96	N	Y
B7		04/03/97	PCT	G09G	5/00	09/25/96	N	Y
B8	·	05/29/97	PCT	G09G	5/00	11/05/96	N	Y
В9		06/12/97	PCT	G06F	N/A	11/26/96	N	Y
B1		11/27/97	PCT	G09G G06G B25J G05B G06F G06G A03B	5/08 3/00 9/18 19/19 19/408 17/00 7/48 71/00 24/00	05/16/97	N	Y
B1	1 WO 98/06024	02/12/98	PCT	G06F	3/00 15/16 17/30	07/31/97	N	Y
B1	2 WO 98/26342	06/18/98	PCT	G06F	N/A	11/25/97	N	Y
B1	3 WO 98/30951	07/16/98	PCT	GO6F	3/02	01/07/98	N	Y
B1	4 WO 98/58308	12/23/98	PCT	GO6F	3/033	06/15/98	N	Y
B1	5 WO 98/58323	12/23/98	PCT	GO6F	15/00	06/16/98	N	Y
B1	6 WO 99/10872	03/04/99	PCT	GO9G	5/00	08/21/98	N	Y
B1	7 EP0915434 A2	05/12/99	EP	GO6T	15/50	05/14/98	N	Y
B18	3 2389764	12/17/03	GB					
B19	9 2410351	07/27/05	GB					
		OTHER .	ART, JOUR	NAL AR	TICLES,	ETC.		
EXAM INIT.	OTHER DOC	UMENTS: (I	ncluding Auth	ior, Title, l	Date, Relev	ant Pages, Pla	ce of Publicat	ion)
	C1 Adachi, "Touch and Trace on the Free-Form Surface of Virtual Object", Proceedings of IEEE Virtual Reality Annual International Symposium, September 18-22, 1993, Seattle WA, pgs. 162-168.  C2 Agrawala et al., "3D Painting on Scanned Surfaces", Stanford University, 1995, pgs 145-150.							

EXAMINER	DATE CONSIDERED

		ATTORNEY DOCI	KET NO.: SNS-016
FORM PTO – 1449		APPLICANTS:	Levene et al.
INFORMATION DISCLOSURE STATEMENT		SERIAL NO.:	10/697,174
		FILING DATE:	October 30, 2003
		GROUP:	2628
C3	Barr, "Global and Local Deformations of pgs. 21-30 (July, 1984).	Solid Primitives", CO	MPUTER GRAPHICS; Vol. 18, No. 3,
C4	Blinn, "Simulation of Wrinkled Surfaces, pages 286-292.	" COMPUTER GRAP	HICS, Volume 12-3, August 1978,
C5	Brooks et al., "Project GROPE - Haptic D GRAPHICS, Vol. 24, No. 4, August 1990,	pgs. 177-185.	
C6	Decaudin, "Geometric Deformation by M Interface '96 Proceedings (Toronto, Cana	lerging a 3D-Object w	rith a Simple Shape," Graphics 1, 1996).
C7	Dworkin et al., "A New Model for Efficie Simulation Workshop Proceedings Eurog September 4-5, 1993, pp. 135-147.	ent Dynamic," Fourth graphics Technical Re	Eurographics Animation and port Series, ISSN 1017-4656,
C8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
C9	Foskey, M. et al., "ArtNova: Touch-Enabled 3D Model Design," IEEE Virtual Reality 2002, pp. 119-126 (March 2002)		
C10	Fuentes et al., "The Virtual Tool Approach to Dextrous Telemanipulation," Proceedings of the 1996 IEEE International Conference on Robotics and Automation (Minneapolis, MN), pp. 1700-1705 (April 1996).		
C11	Galyean, "Sculpting: An Interactive Volumetric Modeling Technique," Computer Graphics (SIGGRAPH '91 Las Vegas), Vol. 25, No. 4, pp. 267-274 (July 1991).		
C12	Gibson, "Beyond Volume Rendering: Visualization, Haptic Exploration, and Physical Modeling of Voxel-Based Objects," 1995 Mitsubishi Electric Research Laboratories, Inc., 1995, 6th Eurographics Workshop on Visualization in Scientific Computing, pp. 1-14.		
C13	Hashimoto et al., "Dynamic Force Simulator for Force Feedback Human-Machine Interaction", IEEE, September 1993, pp. 209-215.		
C14	Hirata et al., "3-Dimensional Interface Device for Virtual Work Space," Proceedings of the 1992 IEEE, July 7-10, 1992, pp. 889-896.		
C15	Hirota et al., "Providing Force Feedback in Virtual Environments", IEEE, September 1995, pp. 22-30.		
C16	Hirota et al., "Development of Surface D International Symposium (Seattle), pp. 2	56-262 (September 18-	23, 1993).
C17	Immersion Corporation, "Laparoscopic IMPULSE ENGINE□: A New FORCE FEEDBACK Surgical Simulation Tool", Immersion Corporation, 1995.  http://www.immerse.com/wwwpages/lapIEpg.htm		
C18	Immersion Corporation, "The IMPULSE ENGINE□", 1 page, Immersion Corporation, 1996.		
C19	Immersion Corporation, "Virtual Laparoscopic Interface", Immersion Corporation, 1995, 1 pg.		
C20	Ishii et al., "A 3D Interface Device with Force Feedback: A Virtual Work Space for Pick-and-Place Tasks", IEEE, September 1993, pp. 331-335.		
C21	Kelley et al. "MagicMouse: Tactile and Kinesthetic Feedback in the Human-Computer Interface Using an Electromagnetically Actuated Input/Output Device," Department of Electrical Engineering, University of British Columbia, Vancouver, BC, V6T 1Z4, Canada, October 19, 1993, pp. 1-27.		
C22	Kotoku et al., "A Force Display Algorithm for Virtual Environments," SICE, pp. 347-355, 1992.		
C23	Luo et al., "Networked Intelligent Robot Proceedings of the IEEE, Vol. 91, No. 3,	s Through the Interne op. 371-382 (March 20	et: Issues and Opportunities," 03).

EXAMINER	DATE CONSIDERED

		ATTORNEY DOCK	ET NO.: SNS-016
FORM PTO – 1449		APPLICANTS:	Levene et al.
INFORMATION DISCLOSURE STATEMENT		SERIAL NO.:	10/697,174
		FILING DATE:	October 30, 2003
		GROUP:	2628
C24	Marcus et al., "EXOS Research on Master on Space Operations Applications and Re	Controllers for Robot esearch (SOAR '91) pp	ic Devices," Fifth Annual Workshop . 238-245, July 1991.
C25	Massie, "Design of a Three Degree of Fre Institute of Technology; Bachelor of Scien pgs. 1-38.	edom Force-Reflecting	Haptic Interface", Massachusetts
C26	Massie, "Initial Haptic Explorations with Massachusetts Institute of Technology M admitted as prior art)	the Phantom: Virtual aster of Science Thesis	Touch Through Point Interaction", , February, 1996, pgs. 1-49. (not
C27	McAffee et al, "Teleoperator Subsystem/ Equipment Manual, Jet Propulsion Labor	Telerobot Demonstrate atory, January 1988.	or," Force Reflecting Hand Controller
C28	Millman et al., "A System for the Implem Telemanipulator Technology, Proceeding	entation and Kinesthe s of 1992 SPIE, Vol. 18	33, pp. 49-56.
C29	Minsky et al., "Feeling and Seeing: Issue 2, March 1990, pgs. 235-270.	s in Force Display," Co	OMPUTER GRAPHICS, Vol. 24, No.
C30	Minsky, "Computational Haptics: The Sa Feedback Display," Massachusetts Institu	ite of Technology Ph.D	D. Thesis, June, 1995, pgs. 1-217
C31	Morgenbesser, "Force Shading for Shape Perception in Haptic Virtual Environments", Massachusetts Institute of Technology Master of Engineering Thesis, September, 1995, pgs. 1-77.		
C32	Oboe, "Force-Reflecting Teleoperation Over the Internet: The JBIT Project," Proceedings of the IEEE, Vol. 91, No. 3, pp. 449-462 (March 2003).		
C33	Photoshop, Lesson 4: Layers, webpage d http://iit.bloomu.edu/vthc/Photoshop/	Basics/layers.htm	
C34	Photoshop, Lesson 8: Brightness & Contraction http://iit.bloomu.edu/vthc/Photoshop/	enhancing/brightness	s&contrast.htm
C35	Photoshop, Lesson 9: Hue & Saturation, http://iit.bloomu.edu/vthc/Photoshop/	enhancing/hue&satu	ration.htm
C36	Photoshop, Lesson 7: Color Balance, webpage downloaded 9/12/03, http://iit.bloomu.edu/vthc/Photoshop/enhancing/colorbalance.htm		
C37	Photoshop, Lesson 12: Blur, Sharpen & S http://iit.bloomu.edu/vthc/Photoshop/	enhancing/blurring.h	tm
C38	Photoshop, Lesson 14: Selection Tools, w http://iit.bloomu.edu/vthc/Photoshop/	rebpage downloaded S blending/selectiontoc	9/12/03, ols.htm
C39	Photoshop, Lesson 18: Opacity, webpage http://iit.bloomu.edu/vthc/Photoshop/	SpecialEffects/opacity	/.htm
C40	Photoshop, Lesson 19: Color Selection, webpage downloaded 9/12/03, http://iit.bloomu.edu/vthc/Photoshop/drawing/colorpicker.htm		
C41	Photoshop, Lesson 21: Paint Tools, webpage downloaded 9/12/03, http://iit.bloomu.edu/vthc/Photoshop/drawing/painttools.htm		
C42	Photoshop, Lesson 22: Vector Shapes, webpage downloaded 9/12/03, http://iit.bloomu.edu/vthc/Photoshop/drawing/vectorshapes.htm		
C43	Photoshop, Lesson 23: Gradients, webpage downloaded 9/12/03, http://iit.bloomu.edu/vthc/Photoshop/drawing/gradients.htm		
C44	Photoshop Techniques 004: How to use Tech Support		
C45	Nagel, "A Closer Look: Photoshop's New http://www.creativemac.com/2002/03_	mar/features/ps7dyr	namics12.htm
C46	3D Animation Workshop: Lesson 39: So 7/29/03, http://www.webreference.com		nding, webpage downloaded

EXAMINER	DATE CONSIDERED

		ATTORNEY DOCK	KET NO.: SNS-016
FORM PTO – 1449		APPLICANTS:	Levene et al.
INFORMATION DISCLOSURE STATEMENT		SERIAL NO.:	10/697,174
		FILING DATE:	October 30, 2003
		GROUP:	2628
C47	Porter et al., "Compositing Digital Image pgs. 253-259	s", Computer Graphic	s, Volume 18. Number 3, July 1984,
C48	Safaric et al., "Control of Robot Arm with IEEE, Vol. 91, No. 3, pp. 422-429 (March 2		via the Internet," Proceedings of the
C49			
C50	Salisbury et al., "Haptic Rendering of Surfaces Defined by Implicit Functions," Proceedings of the ASME Dynamic Systems and Control Division, 1997 ASME International Mechanical Engineering Congress and Exposition, 1997.		
C51	SensAble Technologies, Inc., "Phantom Haptic Interface," 1996, Cambridge, MA (6 pgs).		
C52	Snow et al., "Compact Force-Reflecting Hand Controller," NASA Tech Brief, Vol. 15, No. 4 from Jet Propulsion Laboratory Report NPO-17851-7348, April 1991, pgs. i, 1-3, 1a-11a, 14a, 15a.		
C53	Swarup, "Haptic Interaction with Deformable Objects Using Real-Time Dynamic Simulation",		
C54	Massachusetts Institute of Technology, September 1995, pgs. 1-83.  Tan et al., "Virtual Environments for Internet-Based Robots – I: Modeling a Dynamic Environment," Proceedings of the IEEE, Vol. 91, No. 3, pp. 383-388 (March 2003).		
C55	Tan et al., "Virtual Environments for Internet-Based Robots – II: Path Planning," Proceedings of the IEEE, Vol. 91, No. 3, pp. 389-395 (March 2003).		
C56			
C57	Tyson, Howstuffworks, "How AGP Work", <a href="http://computer.howstuffworks.com/agp.htm/printalbe">http://computer.howstuffworks.com/agp.htm/printalbe</a> , printed 7/15/03		
C58	University of Michigan Virtual Reality Laboratory, "Revival of the Virtual Lathe," http://www-vrl.umich.edu/sel_prj/lathe/, (December 20, 2002).		
C59	Yoshikawa et al., "Construction of Virtual World Using Dynamics Modules and Interaction Modules," Proceedings of the 1996 IEEE International Conference on Robotics and Automation (Minneapolis, MN), pp. 2358-2364 (April 1996).		
C60	Zilles et al., "A Constraint-Based God-object Method for Haptic Display," published by IEEE Computer Society Press, Los Alamitos, California, in Proceedings of the 1995 IEEE/RSJ International Conference on Intelligent Robots and Systems - Human Robot Interaction and Cooperative Robots, held August 5-9, 1995 in Pittsburgh, Pennsylvania, 1995, pgs. 146-151.		
C61	Zilles, "Haptic Rendering with the Toolhandle Haptic Interface," Massachusetts Institute of Technology Master of Science Thesis, May 1995, pgs. 1-46.		

EXAMINER	DATE CONSIDERED